

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AND INTERCONNECT AT THE INTERSECTION OF EASTBOUND US 50 (OCEAN GATEWAY) AND MD 322 (EASTON PKWY) NORTH INTERSECTION IN TALBOT COUNTY. THE MODIFICATION WILL UPGRADE THE MICROLOOP PROBE DETECTORS FOR PASSAGE DETECTION TO NON-INVASIVE DETECTORS. EXISTING CAMERAS FOR PRESENCE DETECTION WILL BE ADJUSTED TO INCLUDE SIDE STREET PASSAGE DETECTION. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION OPERATES IN A NEMA THREE (3) PHASE, FULLY-ACTUATED MODE. THE US 50 EASTBOUND APPROACH, MD 322 SOUTHBOUND MOVEMENT FROM US 50 WESTBOUND AND THE MD 322 NORTHBOUND MOVEMENT EACH OPERATE INDEPENDENTLY.
2. AN EXISTING FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED.

CONTACTS

DISTRICT

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DISTRICT ENGINEER
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MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
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ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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ASSISTANT DISTRICT ENGINEER - MAINTENANCE
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OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
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MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

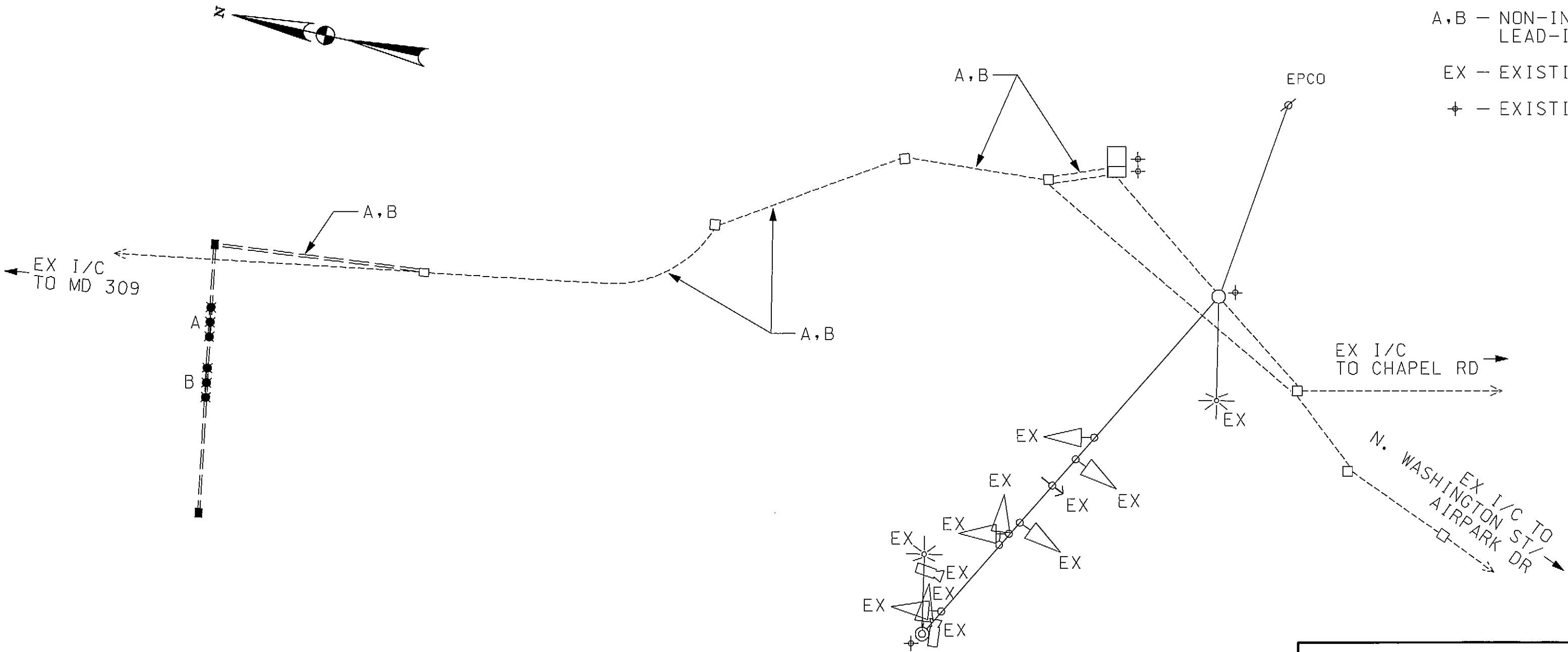
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8011	60 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	110 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	2 EA	NONINVASIVE DETECTOR UP TO 1000' LEAD IN CABLE
8019	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO PHASE CHANGE

WIRING DIAGRAM



WIRING KEY

- A, B - NON-INVASIVE DETECTOR LEAD-IN CABLE
- EX - EXISTING CABLE
- * - EXISTING GROUND ROD

TOD NO:XX356-01
SHA NO:AX885K51
US 50@VARIOUS LOCATION



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 50 (EB) AND MD 322 (NORTH INTERSECTION)
DETECTION UPGRADE
EASTON, MD

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE SEPTEMBER 2, 2009 CONTRACT NO. XX3565168

DESIGNED BY M. FUKUJI COUNTY TALBOT

DRAWN BY M. FUKUJI LOGMILE 20005009.66

CHECKED BY TIMS NO. J601

F.A.P. NO. TOD NO.

TS NO. 557F DRAWING 56-04 OF 10 SHEET NO. 04 OF 10